

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	36613	portable adj terminal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 10:39
S2	659	(portable adj terminal) same (IC adj card)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:03
S3	6	(portable adj terminal) same (IC adj card) same (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 10:56
S4	19	(portable adj terminal) and (IC adj card) and (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:03
S5	80	(portable adj terminal) and (IC adj card) and (stored near2 value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:52
S6	12	(portable adj terminal) same (IC adj card) same (stored near2 value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:25
S7	2	(IC adj card) same (stored near2 value) same (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:37

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S8	12	(IC adj card) and (stored near2 value) and (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:41
S9	1	(IC adj card) and (outstand\$3 near2 value) and (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:38
S10	170	(IC adj card) and (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:41
S11	176	(IC near2 card) and (ticket near2 check\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:41
S12	567	(711/115).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:51
S13	657	(713/182).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:51
S14	286	(340/5.2).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:51
S15	270	(340/5.6).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52
S16	393	(340/5.74).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52
S17	398	(340/5.8).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52
S18	2360	(235/375).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52
S19	3077	(235/380).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52
S20	1172	(235/382).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52
S21	565	(235/384).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:52

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S22	1267	(portable adj terminal) and (IC adj card)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:59
S23	1	S12 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S24	8	S13 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S25	2	S14 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S26	0	S15 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S27	2	S16 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S28	0	S17 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53

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S29	13	S18 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S30	45	S19 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S31	11	S20 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:53
S32	4	S21 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:54
S33	309	(705/41).CCLS.	USPAT; USOCR	OR	OFF	2007/11/07 11:54
S34	5	S33 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 11:54
S35	488	(portable adj terminal) and (IC adj card) and (identification)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:16
S36	262	(portable adj terminal) and (IC adj card) and (identification near2 information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:01

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S37	27	(portable adj terminal) same (IC adj card) same (identification near2 information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:01
S38	1	(portable adj terminal) and (IC adj card) and (outstand\$3 near2 value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:16
S39	524	(portable adj terminal) and (IC adj card) and (value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:17
S40	266	(portable adj terminal) and (IC adj card) and (value) and identification	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:18
S41	147	(portable adj terminal) and (IC adj card) and (value) and (identification near2 information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:18
S42	131	(portable adj terminal) and (IC adj card) and (value) and (identification near2 information) and select\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:20
S43	29	S42 and @pd<="20030530"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 12:20

Interference Searched EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	15	((portable adj terminal) same (IC adj card)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:03
L2	1	((portable adj terminal) same (IC adj card) same (ticket)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:03
L3	2	((portable near5 terminal) same (IC near5 card) same (ticket)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:04
L4	1	((portable near5 terminal) same (IC near5 card) same (value)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:04
L5	3	((portable near5 terminal) same (IC near5 card) same (identification)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:04
L6	119	((IC near5 card) same (identification)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:05
L7	103	((IC adj card) same (identification)).clm.	US-PGPUB	OR	OFF	2007/11/08 17:05
L8	1	((IC adj card) same (identification) same ticket).clm.	US-PGPUB	OR	OFF	2007/11/08 17:05

Day : Thursday
Date: 11/8/2007

Time: 17:08:53

 PALM INTRANET

Inventor Information for 10/811965

Inventor Name	City	State/Country
FUKUSHIMA, SHINICHIRO	YOKOHAMA	JAPAN
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AIKAWA, MAKOTO	SAGAMIHARA	JAPAN
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1 Experience report: Implementation of interactive poster "SuiPo"



Fuminori Tsunoda, Takayuki Matsumoto, Takeshi Nakagawa, Mariko Utsunomiya

 April 2007 **CHI '07 extended abstracts on Human factors in computing systems CHI '07**

Publisher: ACM Press

Full text available: pdf(5.62 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper explains an implementation of new media "SuiPo," or Suica Poster, which uses a combination of IC card ticket "Suica" and Internet accessible mobile phone. Customers can get e-mail information by touching their IC card ticket on the reader located near the poster. Two pilot tests are conducted before the service has begun. The first test revealed that many people preferred the interactive poster but the registration process was complicated. The second test was conducted after improv ...

Keywords: IC card, advertisement, internet, mobile phone, public transportation, smart card, two dimensional bar code

2 Ambient functionality: "UBWALL", ubiquitous wall changes an ordinary wall into the smart ambience



Minoru Sekiguchi, Hirohisa Naito, Akinobu Ueda, Toru Ozaki, Masao Yamasawa

 October 2005 **Proceedings of the 2005 joint conference on Smart objects and ambient intelligence: innovative context-aware services: usages and technologies sOc-EUSAI '05**

Publisher: ACM Press

Full text available: pdf(145.01 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

This paper describes how smart ambience improves information services. For information services in a public space, UBWALL is developed named after "ubiquitous wall", which has a large display and eight-series of built-in RFID reader/writer so that people can get individual information appropriately by using IC cards (RFID cards) or mobile terminals. UBWALL is usually installed in a public space for the purpose of advertisements or directory services, where people can see both the public and pers ...

3 Computer security: Delay-based circuit authentication and applications



Blaise Gassend, Dwaine Clarke, Marten van Dijk, Srinivas Devadas

 March 2003 **Proceedings of the 2003 ACM symposium on Applied computing SAC '03**

Publisher: ACM Press


Full text available:  [pdf\(869.99 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We describe a technique to reliably identify individual integrated circuits (ICs), based on a prior delay characterization of the IC. We describe a circuit architecture for a key card for which authentication is delay based, rather than based on a digital secret key. We argue that key cards built in this fashion are resistant to many known kinds of attacks. Since the delay of ICs can vary with environmental conditions such as temperature, we develop compensation schemes and show experimentally tha ...


Keywords: physical random function, physical security, smartcard, tamper resistance, unclonability

4 Some experimental results on placement techniques



 Maurice Hanan, Peter K. Wolff, Barbara J. Agule
June 1976 **Proceedings of the 13th conference on Design automation DAC '76**

Publisher: ACM Press

Full text available:  [pdf\(979.95 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Seven placement algorithms - one constructive-initial placement algorithm and six iterative-improvement algorithms - were programmed and run on six problems ranging in size from 60 to 1300 modules. These problems included placing IC packs on a card, cards on a board and circuits on an LSI chip. It was found that the new force-directed pairwise relaxation algorithm was the best algorithm for the larger problems and was competitive with the other algorithms for the smaller problems. Other que ...

5 Test generation systems in Japan



S. Funatsu, N. Wakatsuki, T. Arima
January 1975 **Proceedings of the 12th conference on Design automation DAC '75**

Publisher: IEEE Press

Full text available:  [pdf\(597.15 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


With the advent of large scale and medium scale integrated circuit, test and diagnosis of digital logic circuits become more and more difficult to get an efficient and economical goal. In this paper, Test Generation Systems for testing digital logic circuits (IC Cards) in Japan are introduced. One implemented in Nippon Electric Co. is described in detail. Future problems of Test Generation Systems are also briefly discussed.

6 Design Method for Constant Power Consumption of Differential Logic Circuits



Kris Tiri, Ingrid Verbauwhede
March 2005 **Proceedings of the conference on Design, Automation and Test in Europe - Volume 1 DATE '05**

Publisher: IEEE Computer Society

Full text available:  [pdf\(146.44 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Side channel attacks are a major security concern for smart cards and other embedded devices. They analyze the variations on the power consumption to find the secret key of the encryption algorithm implemented within the security IC. To address this issue, logic gates that have a constant power dissipation independent of the input signals, are used in security ICs. This paper presents a design methodology to create fully connected differential pull down networks. Fully connected differential pul ...

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IEEE JNL IEEE Journal or Magazine

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IEEE CNF IEEE Conference Proceeding

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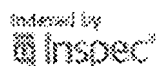
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Murse, T.; Ohyama, M.;
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9-12 Aug. 1998 Page(s):47 - 50
Digital Object Identifier 10.1109/RAWCON.1998.709133
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[Information and Telecommunication Technologies, 2005. APSITT 2005 Proceedings. Pacific Symposium on](#)
09-10 Nov. 2005 Page(s):248 - 253
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- ☐ 2. **Standardization of Technology for IC Card Ticket System**
Ishida, Yoshio;
[E-Commerce Technology and the 4th IEEE International Conference on Enterprise E-Commerce and E-Services, 2007. CEC/EEE 2007. The 9th IEEE International](#)
23-26 July 2007 Page(s):5 - 5
Digital Object Identifier 10.1109/CEC-EEE.2007.4285191
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- ☐ 3. **High-speed Processing in Wired-and-Wireless Integrated Autonomous Decentralized System and Its Application to IC Card Ticket System**
Shiibashi, A.; Mizoguchi, N.; Mori, K.;
[Engineering of Autonomic and Autonomous Systems, 2006. EASE 2006. Proceedings. Third IEEE International Workshop on](#)
27-30 March 2006 Page(s):19 - 24
Digital Object Identifier 10.1109/EASE.2006.9
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- ☐ 4. **Achievement of High-speed Processing by Autonomous Decentralized Processing Decentralized Algorithm in a Wired-and-Wireless Integrated IC Card Ticket System**
Shiibashi, A.; Xiaodong Lu; Mori, K.;
[Software Technologies for Future Embedded and Ubiquitous Systems, 2006. FUZZY 2006. Second International Workshop on Collaborative Computing, Integration, and /](#)
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[Computers and Communications, 2006. ISCC '06. Proceedings. 11th IEEE Symposium on](#)
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Digital Object Identifier 10.1109/ISCC.2006.42
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Shiibashi, Akio; Kuroda, Takashi; Yamana, Motoharu; Mori, Kinji;
[Autonomous Decentralized Systems, 2007. ISADS '07. Eighth International Symposium on](#)
21-23 March 2007 Page(s):207 - 214
Digital Object Identifier 10.1109/ISADS.2007.64
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- ☐ 7. **High-speed Processing by Autonomous Decentralized Architecture and Decentralized Algorithm in a Wired-and-Wireless Integrated IC Card Ticket System**
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[E-Commerce Technology, 2006. The 8th IEEE International Conference on e-Computing, E-Commerce, and E-Services, The 3rd IEEE International Conference on](#)
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